Cell Differentiation, 21 (1987) 272, 273
Elsevier Scientific Publishers Ireland, Ltd.

Contents Volume 21

No. 1

G. Sardet and P. Chang (France)
The egg cortex: from maturation through fertilization (*Review*) (CDF 00431) 1

G. Lescoat, N. Thézé, J.-M. Fraslin, N. Pasdeloup, B. Kneip and C. Guguen-Guillouzo (France)
Influence of ornithine on albumin synthesis by fetal and neonatal hepatocytes maintained in culture (CDF 00426) 21

R. Agelopoulou and S. Magre (France)
Expression of fibronectin and laminin in fetal male gonads in vivo and in vitro with and without testicular morphogenesis (CDF 00425) 31

T. Anastassiades, A. Wood, M. Elliott, C. Stephens and R. Kisilevsky (Canada)
Comparison of the stimulation of glycosaminoglycan synthesis in cultures of mononuclear cells from blood and of fibroblastic cells (CDF 00427) 37

S. Miyata, H. Kageura and H.K. Kihara (Japan)
Regional differences of proteins in isolated cells of early embryos of *Xenopus laevis* (CDF 00428) 47

F.M. Schiavone and T.J. Cooke (U.S.A.)
Unusual patterns of somatic embryogenesis in the domesticated carrot: developmental effects of exogenous auxins and auxin transport inhibitors (CDF 00429) 53

P. Albert, B. Boilly, J. Courty and D. Barritault (France)
Stimulation in cell culture of mesenchymal cells of newt limb blastemas by EDGF I or II (basic or acidic FGF) (CDF 00430) 63

Y. Kadokawa, Y. Kato and G. Eguchi (Japan)
Cell lineage analysis of the primitive and visceral endoderm of mouse embryos cultured in vitro (CDF 00432) 69

Contents of Development, Growth & Differentiation
Vol. 28, No. 6 and Vol. 29, Nos. 1 and 2 77

No. 2

P.M. Iannaccone (U.S.A.)
The study of mammalian organogenesis by mosaic pattern analysis (*Review*) (CDF 00440) 79

L. Gualandris, A.-M. Duprat and P. Rougé (France)
Cross-linking of membrane glycoconjugates is not a sufficient condition for neural induction by concanavalin A (CDF 00433) 93

J. Gorst, R.L. Overall and W. Wernicke (Australia)
Ionic currents traversing cell clusters from carrot suspension cultures reveal perpetuation of innate morphogenetic potential as distinct from induction of embryogenesis (CDF 00434) 101

S. Takada and M. Obinata (Japan)
Characterization of *trans*-acting factor(s) regulating β-globin gene expression by in vivo competition (CDF 00435) 111

P. Dráber (Czechoslovakia)
The epitope of mouse embryonic antigen(s) recognized by monoclonal antibody TEC-02 is a carbohydrate carried by high-molecular-weight glycoconjugates (CDF 00436) 119

J. Born, M. Davids and H. Tiedemann (F.R.G.)
Affinity chromatography of embryonic inducing factors on heparin-Sepharose (CDF 00437) 131

Y. Tsutsui, T. Nogami, M. Sano, A. Kashiwai and K. Kato (Japan)
Induction of S-100b ($\beta\beta$) protein in human teratocarcinoma cells (CDF 00438) 137

No. 3

N.S. Vasan (U.S.A.)
Somite chondrogenesis: the role of the microenvironment (*Review*) (CDF 00443) 147

J.M. Richman and V.M. Diewert (Canada)
An immunofluorescence study of chondrogenesis in murine mandibular ectomesenchyme (CDF 00439) 161

Cell Differentiation, 21 (1987) 272, 273
Elsevier Scientific Publishers Ireland, Ltd.

Contents Volume 21

No. 1

G. Sardet and P. Chang (France)
The egg cortex: from maturation through fertilization (*Review*) (CDF 00431) 1

G. Lescoat, N. Thézé, J.-M. Fraslin, N. Pasdeloup, B. Kneip and C. Guguen-Guillouzo (France)
Influence of ornithine on albumin synthesis by fetal and neonatal hepatocytes maintained in culture (CDF 00426) 21

R. Agelopoulou and S. Magre (France)
Expression of fibronectin and laminin in fetal male gonads in vivo and in vitro with and without testicular morphogenesis (CDF 00425) 31

T. Anastassiades, A. Wood, M. Elliott, C. Stephens and R. Kisilevsky (Canada)
Comparison of the stimulation of glycosaminoglycan synthesis in cultures of mononuclear cells from blood and of fibroblastic cells (CDF 00427) 37

S. Miyata, H. Kageura and H.K. Kihara (Japan)
Regional differences of proteins in isolated cells of early embryos of *Xenopus laevis* (CDF 00428) 47

F.M. Schiavone and T.J. Cooke (U.S.A.)
Unusual patterns of somatic embryogenesis in the domesticated carrot: developmental effects of exogenous auxins and auxin transport inhibitors (CDF 00429) 53

P. Albert, B. Boilly, J. Courty and D. Barritault (France)
Stimulation in cell culture of mesenchymal cells of newt limb blastemas by EDGF I or II (basic or acidic FGF) (CDF 00430) 63

Y. Kadokawa, Y. Kato and G. Eguchi (Japan)
Cell lineage analysis of the primitive and visceral endoderm of mouse embryos cultured in vitro (CDF 00432) 69

Contents of Development, Growth & Differentiation
Vol. 28, No. 6 and Vol. 29, Nos. 1 and 2 77

No. 2

P.M. Iannaccone (U.S.A.)
The study of mammalian organogenesis by mosaic pattern analysis (*Review*) (CDF 00440) 79

L. Gualandris, A.-M. Duprat and P. Rougé (France)
Cross-linking of membrane glycoconjugates is not a sufficient condition for neural induction by concanavalin A (CDF 00433) 93

J. Gorst, R.L. Overall and W. Wernicke (Australia)
Ionic currents traversing cell clusters from carrot suspension cultures reveal perpetuation of innate morphogenetic potential as distinct from induction of embryogenesis (CDF 00434) 101

S. Takada and M. Obinata (Japan)
Characterization of *trans*-acting factor(s) regulating β-globin gene expression by in vivo competition (CDF 00435) 111

P. Dráber (Czechoslovakia)
The epitope of mouse embryonic antigen(s) recognized by monoclonal antibody TEC-02 is a carbohydrate carried by high-molecular-weight glycoconjugates (CDF 00436) 119

J. Born, M. Davids and H. Tiedemann (F.R.G.)
Affinity chromatography of embryonic inducing factors on heparin-Sepharose (CDF 00437) 131

Y. Tsutsui, T. Nogami, M. Sano, A. Kashiwai and K. Kato (Japan)
Induction of S-100b ($\beta\beta$) protein in human teratocarcinoma cells (CDF 00438) 137

No. 3

N.S. Vasan (U.S.A.)
Somite chondrogenesis: the role of the microenvironment (*Review*) (CDF 00443) 147

J.M. Richman and V.M. Diewert (Canada)
An immunofluorescence study of chondrogenesis in murine mandibular ectomesenchyme (CDF 00439) 161

B. Péault (France)
MB1, a quail leukocyte/vascular endothelium antigen: characterization of the lymphocyte-surface form and identification of its secreted counterpart as α_2-macroglobulin (CDF 00444) 175

L. Uhlin-Hansen and S.O. Kolset (Norway)
Proteoglycan biosynthesis in relation to differentiation of cord blood monocytes in vitro (CDF 00441) 189

A.R. Fazel, B.A. Schulte, R.P. Thompson and S.S. Spicer (U.S.A.)
Presence of a unique glycoconjugate on the surface of rat primordial germ cells during migration (CDF 00442) 199

No. 4

V. Raghavan (U.S.A.)
Developmental strategies of the angiosperm pollen: a biochemical perspective (*Review*) (CDF 00453) 213

P. Dráber and Z. Pokorná (Czechoslovakia)
Differential expression of mouse embryonic antigens TEC-1 and TEC-2 in the epididymis of four rodent species (CDF 00445) 227

A. Bollinne, P. Kremers, C. Kolodzici and J.E. Gielen (Belgium)
Long-term maintenance of monoxygenase activities in cultured fetal rat hepatocytes (CDF 00446) 239

J. Glowacki and J.B. Lian (U.S.A.)
Impaired recruitment and differentiation of osteoclast progenitors by osteocalcin-deplete bone implants (CDF 00447) 247

G. Bernardini, M. Ferraguti and R. Stipani (Italy)
Fertilization induces endocytosis in *Xenopus* eggs (CDF 00448) 255

Y. Matzner, R. Gavison, E.A. Rachmilewitz and E. Fibach (Israel)
Expression of granulocytic functions by leukemic promyelocytic HL-60 cells: differential induction by dimethylsulfoxide and retinoic acid (CDF 00449) 261

Contents of "Development, Growth & Differentiation"
Vol. 29, Nos. 3 and 4 271

Cell Differentiation, 21 (1987) 274,275
Elsevier Scientific Publishers Ireland, Ltd.

Author Index Volume 21

Agelopoulou, R. and Magre, S., Expression of fibronectin and laminin in fetal male gonads in vivo and in vitro with and without testicular morphogenesis, 31
Albert, P., Boilly, B., Courty, J. and Barritault, D., Stimulation in cell culture of mesenchymal cells of newt limb blastemas by EDGF I or II (basic or acidic FGF), 63
Anastassiades, T., Wood, A., Elliott, M., Stephens, C. and Kisilevsky, R., Comparison of the stimulation of glycosaminoglycan synthesis in cultures of mononuclear cells from blood and of fibroblastic cells, 37

Barritault, D., see Albert, P., 63
Bernardini, G., Ferraguti, M. and Stipani, R., Fertilization induces endocytosis in *Xenopus* eggs, 255
Boilly, B., see Albert, P., 63
Bollinne, A., Kremers, P., Kolodzici, C. and Gielen, J.E., Long-term maintenance of monoxygenase activities in cultured fetal rat hepatocytes, 239
Born, J., Davids, M. and Tiedemann, H., Affinity chromatography of embryonic inducing factors on heparin-Sepharose, 131

Chang, P., see Sardet, G., 1
Cooke, T.J., see Schiavone, F.M., 53
Courty, J., see Albert, P., 63

Davids, M., see Born, J., 131
Diewert, V.M., see Richman, J.M., 161
Dráber, P., The epitope of mouse embryonic antigen(s) recognized by monoclonal antibody TEC-02 is a carbohydrate carried by high-molecular-weight glycoconjugates, 119
Dráber, P. and Pokorná, Z., Differential expression of mouse embryonic antigens TEC-1 and TEC-2 in the epididymis of four rodent species, 227
Duprat, A.-M., see Gualandris, L., 93

Eguchi, G., see Kadokawa, Y., 69
Elliott, M., see Anastassiades, T., 37

Fazel, A.R., Schulte, B.A., Thompson, R.P. and Spicer, S.S., Presence of a unique glycoconjugate on the surface of rat primordial germ cells during migration, 199
Ferraguti, M., see Bernardini, G., 255
Fibach, E., see Matzner, Y., 261
Fraslin, J.-M., see Lescoat, G., 21

Gavison, R., see Matzner, Y., 261
Gielen, J.E., see Bollinne, A., 239
Glowacki, J. and Lian, J.B., Impaired recruitment and differentiation of osteoclast progenitors by osteocalcin-deplete bone implants, 247
Gorst, J., Overall, R.L. and Wernicke, W., Ionic currents traversing cell clusters from carrot suspension cultures reveal perpetuation of innate morphogenetic potential as distinct from induction of embryogenesis, 101
Gualandris, L., Duprat, A.-M. and Rougé, P., Cross-linking of membrane glycoconjugate is not a sufficient condition for neural induction by concanavalin A, 93
Guguen-Guillouzo, C., see Lescoat, G., 21

Iannaccone, P.M., The study of mammalian organogenesis by mosaic pattern analysis (*Review*), 79

Kadokawa, Y., Kato, Y. and Eguchi, G., Cell lineage analysis of the primitive and visceral endoderm of mouse embryos cultured in vitro, 69
Kageura, H., see Miyata, S., 47
Kashiwai, A., see Tsutsui, Y., 137
Kato, K., see Tsutsui, Y., 137
Kato, Y., see Kadokawa, Y., 69
Kihara, H.K., see Miyata, S., 47
Kisilevsky, R., see Anastassiades, T., 37
Kneip, B., see Lescoat, G., 21
Kolodzici, C., see Bollinne, A., 239
Kolset, S.O., see Uhlin-Hansen, L., 189
Kremers, P., see Bollinne, A., 239

Lescoat, G., Thézé, N., Fraslin, J.-M., Pasdeloup, N., Kneip, B. and Guguen-Guillouzo, C., Influence of ornithine on albumin synthesis by fetal and neonatal hepatocytes maintained in culture, 21
Lian, J.B., see Glowacki, J., 247

Magre, S., see Agelopoulou, R., 31
Matzner, Y., Gavison, R., Rachmilewitz, E.A. and Fibach, E., Expression of granulocytic functions by leukemic promyelocytic HL-60 cells: differential induction by dimethylsulfoxide and retinoic acid, 261
Miyata, S., Kageura, H. and Kihara, H.K., Regional differences of proteins in isolated cells of early embryos of *Xenopus laevis*, 47

Nogami, T., see Tsutsui, Y., 137

Obinata, M., see Takada, S., 111
Overall, R.L., see Gorst, J., 101

Pasdeloup, N., see Lescoat, G., 21
Péault, B., MB1, a quail leukocyte/vascular endothelium antigen: characterization of the lymphocyte-surface form and identification of its secreted counterpart as α_2-macroglobulin, 175
Pokorná, Z., see Dráber, P., 227

Rachmilewitz, E.A., see Matzner, Y., 261
Raghavan, V., Developmental strategies of the angiosperm pollen: a biochemical perspective (*Review*), 213
Richman, J.M. and Diewert, V.M., An immunofluorescence study of chondrogenesis in murine mandibular ectomesenchyme, 161
Rougé, P., see Gualandris, L., 93

Sano, M., see Tsutsui, Y., 137
Sardet, G. and Chang, P., The egg cortex: from maturation through fertilization (*Review*), 1
Schiavone, F.M. and Cooke, T.J., Unusual pattern of somatic embryogenesis in the domesticated carrot: developmental effects of exogenous auxins and auxin transport inhibitors, 53
Schulte, B.A., see Fazel, A.R., 199
Spicer, S.S., see Fazel, A.R., 199
Stephens, C., see Anastassiades, T., 37
Stipani, R., see Bernardini, G., 255

Takada, S. and Obinata, M., Characterization of *trans*-acting factor(s) regulating β-globin gene expression by in vivo competition, 111
Thézé, N., see Lescoat, G., 21
Thompson, R.P., see Fazel, A.R., 199
Tiedemann, H., see Born, J., 131
Tsutsui, Y., Nogami, T., Sano, M., Kashiwai, A. and Kato, K., Induction of S-100b ($\beta\beta$) protein in human teratocarcinoma cells, 137

Uhlin-Hansen, L. and Kolset, S.O., Proteoglycan biosynthesis in relation to differentiation of cord blood monocytes in vitro, 189

Vasan, N.S., Somite chondrogenesis: the role of the microenvironment (*Review*), 147

Wernicke, W., see Gorst, J., 101
Wood, A., see Anastassiades, T., 37

Cell Differentiation, 21 (1987) 276–278
Elsevier Scientific Publishers Ireland, Ltd.

Subject Index Volume 21

Affinity chromatography, Mesoderm-inducing factors, Heparin-Sepharose, Amphibia, 131
Albumin, Ornithine, Fetal and neonatal hepatocytes, Primary culture, 21
Amphibia, Mesoderm-inducing factors, Heparin-Sepharose, Affinity chromatography, 131
Amphibians, Egg, Oocyte, Cortex, Echinoderms, Maturation, Fertilization, Polar body formation, 1
Androgenesis, Anther culture, Gene activation, Pollen development, Polien embryogenesis, 213
Anther culture, Androgenesis, Gene activation, Pollen development, Pollen embryogenesis, 213
Auxin, Somatic embryogenesis, Polar transport, Carrot, 53

Carbohydrate antigen, Mouse embryos, Embryonal carcinoma cells, TEC-2 epitope, Embryoglycan, 119
Carbohydrate antigen, Embryonic antigen, Embryonal carcinoma, Epididymis, Spermatozoon, 227
Carrot suspension culture, Extracellular ionic currents, Embryogenesis, 101
Carrot, Somatic embryogenesis, Auxin, Polar transport, 53
Cell differentiation, Human teratocarcinoma cells, S-100 protein, Enzyme immunoassay, 137
Cell lineage, Mouse embryo, Primitive endoderm, Visceral endoderm, Head process, HRP, 69
Cell migration, Lectin histochemistry, Glycoconjugates, Primordial germ cells, Embryogenesis, Indifferent gonad, 199
Chimeras, Organogenesis, Mammal, Mosaic pattern analysis, Tumorigenesis, 79
Chondrogenesis, Meckel's cartilage, Immunofluorescence, 161
Concanavalin A, Neurogenesis, Neural induction, Glycoconjugates, Plasma membrane, Lectin, 93
Cord blood monocytes, Differentiation, Proteoglycans, 189
Cortex, Egg, Oocyte, Amphibians, Echinoderms, Maturation, Fertilization, Polar body formation, 1
Cytochrome P-450, Fetal hepatocytes, Monoxygenase, Dexamethasone, Long term culture, 239

Dexamethasone, Fetal hepatocytes, Cytochrome P-450, Monoxygenase, Long term culture, 239
Differentiation, Cord blood monocytes, Proteoglycans, 189
Dimethylsulfoxide, Granulocytic function expression, Retinoic acid, Leukemic cells
Dorso-ventral axis, *Xenopus* embryos, Maternal proteins, Isolated cells, Dorso-ventral polarity, 47
Dorso-ventral polarity, *Xenopus* embryos, Maternal proteins, Isolated cells, Dorso-ventral axis, 47

EDGF, Growth factors, Limb regeneration, 63
Echinoderms, Egg, Oocyte, Cortex, Amphibians, Maturation, Fertilization, Polar body formation, 1
Egg, Fertilization, Endocytosis, *Xenopus*, Lucifer yellow CH, 255
Egg, Oocyte, Cortex, Amphibians, Echinoderms, Maturation, Fertilization, Polar body formation, 1
Embroygenesis, Carrot suspension culture, Extracellular ionic currents, 101
Embryogenesis, Lectin histochemistry, Glycoconjugates, Primordial germ cells, Indifferent gonad, Cell migration, 199
Embryoglycan, Mouse embryos, Embryonal carcinoma cells, Carbohydrate antigen, TEC-2 epitope, 119
Embryonal carcinoma cells, Mouse embryos, Carbohydrate antigen, TEC-2 epitope, Embryoglycan, 119
Embryonal carcinoma, Embryonic antigen, Carbohydrate antigen, Epididymis, Spermatozoon, 227
Embryonic antigen, Carbohydrate antigen, Embryonal carcinoma, Epididymis, Spermatozoon, 227
Endocytosis, Egg, Fertilization, *Xenopus*, Lucifer yellow CH, 255
Endothelium, α2-Macroglobulin, Quail, Hemopoietic cell, Immunoglobulin μ chain, 175
Enzyme immunoassay, Human teratocarcinoma cells, S-100 protein, Cell differentiation, 137
Epididymis, Embryonic antigen, Carbohydrate antigen, Embryonal carcinoma, Spermatozoon, 227
Extracellular matrix, Testis, Organogenesis, in vitro, Serum, 31
Extracellular ionic currents, Carrot suspension culture, Embryogenesis, 101

Fertilization, Egg, Oocyte, Cortex, Amphibians, Echinoderms, Maturation, Polar body formation, 1
Fertilization, Egg, Endocytosis, *Xenopus*, Lucifer yellow CH, 255
Fetal and neonatal hepatocytes, Ornithine, Albumin, Primary culture, 21
Fetal hepatocytes, Cytochrome P-450, Monoxygenase, Dexamethasone, Long term culture, 239
Fibroblast, Proteoglycan, Mononuclear cell, Lymphocyte, 37

Gene activation, Androgenesis, Anther culture, Pollen development, Pollen embryogenesis, 213
β-Globin gene expression, Murine erythroleukemia cell, *trans*-acting factor, Microinjection, 111
Glycoconjugates, Neurogenesis, Neural induction, Plasma membrane, Lectin, Concanavalin A, 93

Glycoconjugates, Lectin histochemistry, Primordial germ cells, Embryogenesis, indifferent gonad, Cell migration, 199
Granulocytic function expression, Dimethylsulfoxide, Retinoic acid, Leukemic cells
Growth factors, EDGF, Limb regeneration, 63

HRP, Cell lineage, Mouse embryo, Primitive endoderm, Visceral endoderm, Head process, 69
Head process, Cell lineage, Mouse embryo, Primitive endoderm, Visceral endoderm, HRP, 69
Hemopoietic cell, α2-Macroglobulin, Quail, Endothelium, Immunoglobulin μ chain, 175
Heparin-Sepharose, Mesoderm-inducing factors, Affinity chromatography, Amphibia, 131
Human teratocarcinoma cells, S-100 protein, Cell differentiation, Enzyme immunoassay, 137

Immunofluorescence, Meckel's cartilage, Chondrogenesis, 161
Immunoglobulin μ chain, α2-Macroglobulin, Quail, Hempoietic cell, Endothelium, 175
Implant, Osteoclast, Osteocalcin, Osteoclast progenitor, Recruitment, 247
In vitro, Testis, Organogenesis, Serum, Extracellular matrix, 31
Indifferent gonad, Cell migration, Lectin histochemistry, Glycoconjugates, Primordial germ cells, Embryogenesis, 199
Isolated cells, *Xenopus* embryos, Maternal proteins, Dorsoventral axis, Dorso-ventral polarity, 47

Lectin histochemistry, Glycoconjugates, Primordial germ cells, Embryogenesis, Indifferent gonad, Cell migration, 199
Lectin, Neurogenesis, Neural induction, Glycoconjugates, Plasma membrane, Concanavalin A, 93
Leukemic cells, Granulocytic function expression, Dimethylsulfoxide, Retinoic acid, 261
Limb regeneration, Growth factors, EDGF, 63
Long term culture, Fetal hepatocytes, Cytochrome P-450, Monoxygenase, Dexamethasone, 239
Lucifer yellow CH, Egg, Fertilization, Endocytosis, *Xenopus*, 255
Lymphocyte, Proteoglycan, Mononuclear cell, Fibroblast, 37

α2-Macroglobulin, Quail, Hemopoietic cell, Endothelium, Immunoglobulin μ chain, 175
Mammal, Organogenesis, Mosaic pattern analysis, Chimeras, Tumorigenesis, 79
Maternal proteins, *Xenopus* embryos, Isolated cells, Dorsoventral axis, Dorso-ventral polarity, 47
Maturation, Egg, Oocyte, Cortex, Amphibians, Echinoderms, Fertilization, Polar body formation, 1
Meckel's cartilage, Chondrogenesis, Immunofluorescence, 161
Mesoderm-inducing factors, Heparin-Sepharose, Affinity chromatography, Amphibia, 131
Microinjection, β-Globin gene expression, Murine erythroleukemia cell, *trans*-acting factor, 111
Mononuclear cell, Proteoglycan, Lymphocyte, Fibroblast, 37
Monoxygenase, Fetal hepatocytes, Cytochrome P-450, Dexamethasone, Long term culture, 239
Mosaic pattern analysis, Organogenesis, Mammal, Chimeras, Tumorigenesis, 79
Mouse embryo, Cell lineage, Primitive endoderm, Visceral endoderm, Head process, HRP, 69
Mouse embryos, Embryonal carcinoma cells, Carbohydrate antigen, TEC-2 epitope, Embryoglycan, 119
Murine erythroleukemia cell, β-Globin gene expression, *trans*-acting factor, Microinjection, 111

Neural induction, Neurogenesis, Glycoconjugates, Plasma membrane, Lectin, Concanavalin A, 93
Neurogenesis, Neural induction, Glycoconjugates, Plasma membrane, Lectin, Concanavalin A, 93
Notochord–somite interaction, Somite chondrogenesis, Proteoglycans, 147

Oocyte, Egg, Cortex, Amphibians, Echinoderms, Maturation, Fertilization, Polar body formation, 1
Organogenesis, Testis, In vitro, Serum, Extracellular matrix, 31
Organogenesis, Mammal, Mosaic pattern analysis, Chimeras, Tumorigenesis, 79
Ornithine, Albumin, Fetal and neonatal hepatocytes, Primary culture, 21
Osteocalcin, Osteoclast, Implant, Osteoclast progenitor, Recruitment, 247
Osteoclast, Osteocalcin, Implant, Osteoclast progenitor, Recruitment, 247
Osteoclast progenitor, Osteoclast, Osteocalcin, Implant, Recruitment, 247

Plasma membrane, Neurogenesis, Neural induction, Glycoconjugates, Lectin, Concanavalin A, 93
Polar body formation, Egg, Oocyte, Cortex, Amphibians, Echinoderms, Maturation, Fertilization, 1
Polar transport, Somatic embryogenesis, Auxin, Carrot, 53
Pollen development, Androgenesis, Anther culture, Gene activation, Pollen embryogenesis, 213
Pollen embryogenesis, Androgenesis, Anther culture, Gene activation, Pollen development, 213
Primary culture, Ornithine, Albumin, Fetal and neonatal hepatocytes, 21
Primitive endoderm, Cell lineage, Mouse embryo, Visceral endoderm, Head process, HRP, 69
Primordial germ cells, Lectin histochemistry, Glycoconjugates, Embryogenesis, Indifferent gonad, Cell migration, 199
Proteoglycan, Mononuclear cell, Lymphocyte, Fibroblast, 37
Proteoglycans, Notochord–somite interaction, Somite chondrogenesis, 147
Proteoglycans, Cord blood monocytes, Differentiation, 189

Quail, α2-Macroglobulin, Hemopoietic cell, Endothelium, Immunoglobulin μ chain, 175

Recruitment, Osteoclast, Osteocalcin, Implant, Osteoclast progenitor, 247
Retinoic acid, Granulocytic function expression, Dimethylsulfoxide, Leukemic cells

S-100 protein, Human teratocarcinoma cells, Cell differentiation, Enzyme immunoassay, 137
Serum, Testis, Organogenesis, In vitro, Extracellular matrix, 31
Somatic embryogenesis, Auxin, Polar transport, Carrot, 53
Somite chondrogenesis, Notochord–somite interaction, Proteoglycans, 147
Spermatozoon, Embryonic antigen, Carbohydrate antigen, Embryonal carcinoma, Epididymis, 227

TEC-2 epitope, Mouse embryos, Embryonal carcinoma cells, Carbohydrate antigen, Embryoglycan, 119
Testis, Organogenesis, In vitro, Serum, Extracellular matrix, 31
***trans*-acting factor**, β-Globin gene expression, murine erythroleukemia cell, Microinjection, 111
Tumorigenesis, Organogenesis, Mammal, Mosaic pattern analysis. Chimeras, 79

Visceral endoderm, Cell lineage, Mouse embryo, Primitive endoderm, Head process, HRP, 69
***Xenopus* embryos**, Maternal proteins, Isolated cells, Dorso-ventral axis, Dorso-ventral polarity, 47
Xenopus, Egg, Fertilization, Endocytosis, Lucifer yellow CH, 255